

ECONOLITE ASC/3-2070 PEDESTRIAN DETECTOR PHASE ASSIGNMENT PROGRAMMING DETAIL

(program controller as shown)

- From Main Menu select **6. DETECTORS**
- From DETECTOR Submenu select **3. PED DETECTOR INPUT ASSIGNMENT**
- Press the TOGGLE key to select **ECONOLITE MODE** and press ENTER.

PED DET PHASE ASSIGNMENT MODE: ECONOLITE V	PHASE	1	2	3	4	5	6	7	8	9	0	1	2	3	4	5	6
D	1	X	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
E	2	.	X	.	.	.	.	.	.	.	.	.	.	.	.	.	.
T	3	.	.	X	.	.	.	.	.	.	.	.	.	.	.	.	.
E	4	.	.	.	X	.	.	X	.	.	.	.	.	.	.	.	.
C	5	.	.	.	.	X	.	.	.	.	.	.	.	.	.	.	.
T	6	.	.	.	.	.	X	.	.	.	.	.	.	.	.	.	.
O	7	.	.	.	.	.	.	X	.	.	.	.	.	.	.	.	.
R	8	.	.	X	.	.	.	X	.	.	.	.	.	.	.	.	.
	9	.	.	.	.	.	.	.	X	.	.	.	.	.	.	.	.
	10	.	.	.	.	.	.	.	.	X	.	.	.	.	.	.	.
	11	.	.	.	.	.	.	.	.	.	X	.	.	.	.	.	.
	12	.	.	.	.	.	.	.	.	.	.	X	.	.	.	.	.
	13	.	.	.	.	.	.	.	.	.	.	.	X	.	.	.	.
	14	.	.	.	.	.	.	.	.	.	.	.	.	X	.	.	.
	15	.	.	.	.	.	.	.	.	.	.	.	.	.	X	.	.
	16	.	.	.	.	.	.	.	.	.	.	.	.	.	.	X	.

“.” = No assignment, disabled
 X = Assigns Pedestrian Push Button (PPB) to call the phase or phases
 2 = Call for Ped timing 2
 B = Allows for the PPB to call for Min Green 2 (BIKE GREEN)

COUNTDOWN PEDESTRIAN SIGNAL OPERATION

Countdown Ped Signals are required to display timing only during Ped Clearance Interval. Consult Ped Signal Module user's manual for instructions on selecting this feature.

TIMING INTERVAL

- PHASE 2+6 WALK = Dark Display
- PHASE 2+6 PED CLEAR = Flashing Yellow Display
- PHASE 2+6 VEH YEL CLR = Steady Yellow Display
- PHASE 2+6 RED CLEAR = Steady Red Display
- PHASE 4+8 WALK = Steady Red Display
- PHASE 4+8 PED CLEAR = Alternating Flashing Red Display
- PHASE 4+8 VEH YEL CLR = Alternating Flashing Red Display
- PHASE 4+8 VEH RED CLR = Alternating Flashing Red Display

ECONOLITE ASC/3-2070 LOGIC PROCESSOR PROGRAMMING DETAIL

(program controller as shown)

- From Main Menu select **1. CONFIGURATION**
- From CONFIGURATION Submenu select **8. LOGIC PROCESSOR**
- From LOGIC PROCESSOR Submenu select **2. LOGIC STATEMENTS**

ENTER A "1" IN THE LP# FIELD, PRESS 'ENTER', AND PROGRAM AS SHOWN.

LP#:	1	COPY FROM:	1	ACTIVE:	M	(T/F)
IF	PED ON PH	PED CLR		2	IS	ON
AND	LP COB CODE	ON				546
THEN	SIG SET PH	YELLOW		2		ON
ELSE						

LOGIC TO FLASH YELLOW SIGNAL FACES AFTER A PED CALL IS PLACED.

ENTER A "2" IN THE LP# FIELD, PRESS 'ENTER', AND PROGRAM AS SHOWN.

LP#:	2	COPY FROM:	2	ACTIVE:	M	(T/F)
IF	PED ON PH	PED CLR		4	IS	ON
AND	LP COB CODE	ON				546
THEN	SIG SET PHASE	RED		2		OFF
ELSE						

LOGIC FOR ALTERNATING FLASHING RED INDICATIONS ON HEADS 21, 22, 61, 62 DURING PED 4+8 CLEAR (FORCES PHASE 2 RED OFF).

ENTER A "3" IN THE LP# FIELD, PRESS 'ENTER', AND PROGRAM AS SHOWN.

LP#:	3	COPY FROM:	3	ACTIVE:	M	(T/F)
IF	PED ON PH	PED CLR		4	IS	ON
AND	LP COB CODE	OFF				546
THEN	SIG SET PH	RED		6		OFF
ELSE						

LOGIC FOR ALTERNATING FLASHING RED INDICATIONS ON HEADS 21, 22, 61, 62 DURING PED 4+8 CLEAR (FORCES PHASE 6 RED OFF).

ENTER A "4" IN THE LP# FIELD, PRESS 'ENTER', AND PROGRAM AS SHOWN.

LP#:	4	COPY FROM:	4	ACTIVE:	M	(T/F)
IF	PED ON PH	PED CLR		2	IS	ON
THEN	SIG SET PH	GREEN		2		OFF
ELSE						

TURNS LOAD SWITCH 2 GREEN OFF DURING PHASE 2 PED CLEAR TO AVOID A G-Y DUAL INDICATION.

NOTE: COB CODE 546 is a 1Hz 50% Duty Cycle internal logic processor reference.

- From Main Menu select **1. CONFIGURATION**
- From CONFIGURATION Submenu select **8. LOGIC PROCESSOR**
- From the LOGIC PROCESSOR Submenu select **1. LOGIC STATEMENT CONTROL**

ENABLE LOGIC PROCESSOR STATEMENTS 1 - 4 BY POSITIONING THE CURSOR OVER THE FIELDS SHOWN BELOW AND USING THE TOGGLE KEY TO ENABLE THEM.

LOGIC STATEMENT CONTROL	1	2	3	4	5	6	7	8	9	0	1	2	3	4	5
LP 1-15	E	E	E	E	.	.	.	.	.	.	.	.	.	.	.
LP 16-30
LP 31-45
LP 46-60
LP 61-75
LP 76-90


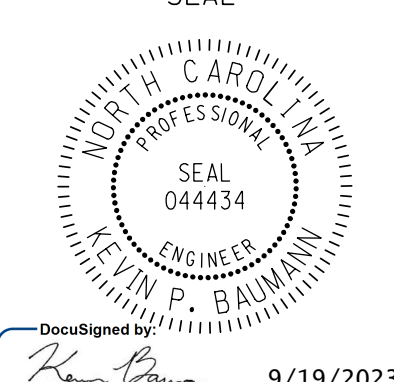
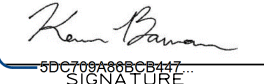
END PROGRAMMING

ACCESSIBLE PEDESTRIAN SIGNAL (APS) INSTALLATION NOTES

- Install push buttons and APS equipment per manufacturer's instructions.
- Provide a dedicated cable to each push button per manufacturer's instructions.
- If APS equipment is mounted in cabinet, use filtered power (i.e., Controller Receptacle) to power APS equipment. Do not use Equipment Receptacle, which is a GFCI outlet.
- Never attempt to operate a standard contact closure push button with the APS system unless cabinet is re-wired for standard button operation or unless explicitly allowed by the manufacturer.
- Place manufacturer's instructions in cabinet with cabinet prints, signal plans, and electrical details.

THIS ELECTRICAL DETAIL IS FOR THE SIGNAL DESIGN: DAVI-1
 DESIGNED: July 2023
 SEALED: 9/19/2023
 REVISED: N/A

Electrical Detail - Final Design
 Sheet 2 of 2

 Prepared For:	Griffith Street Pedestrian Hybrid Beacon West of Sloan Street/ Beaty Street		 SEAL 044434 KEVIN P. BAUMANN ENGINEER
	Division 10 Mecklenburg Davidson	PLAN DATE: July 2023 REVIEWED BY: KP Baumann PREPARED BY: SP Pennington REVIEWED BY:	
REVISIONS	INIT.	DATE	DocuSign  SIGNATURE DATE 9/19/2023
SIG. INVENTORY NO. DAVI-1			DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

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